FIG. 1

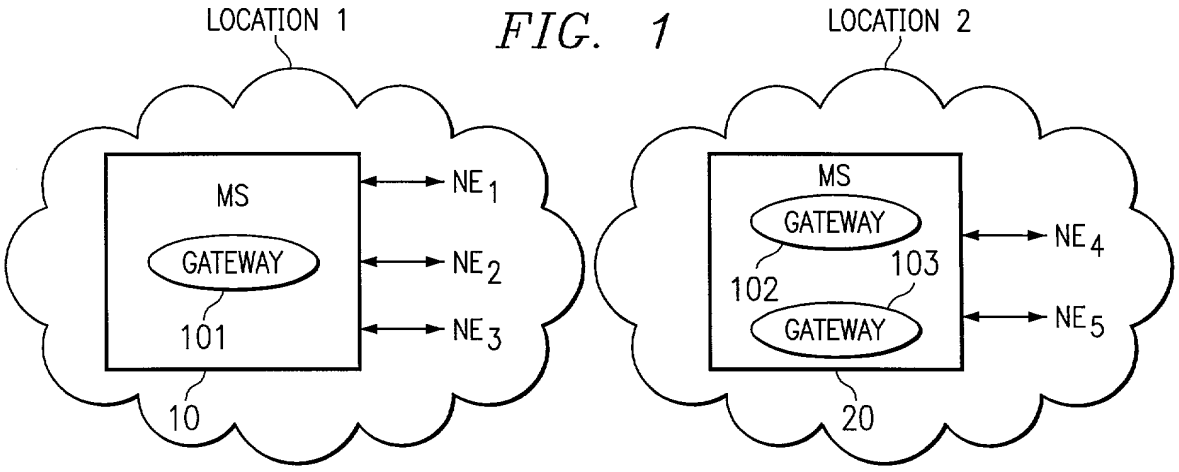
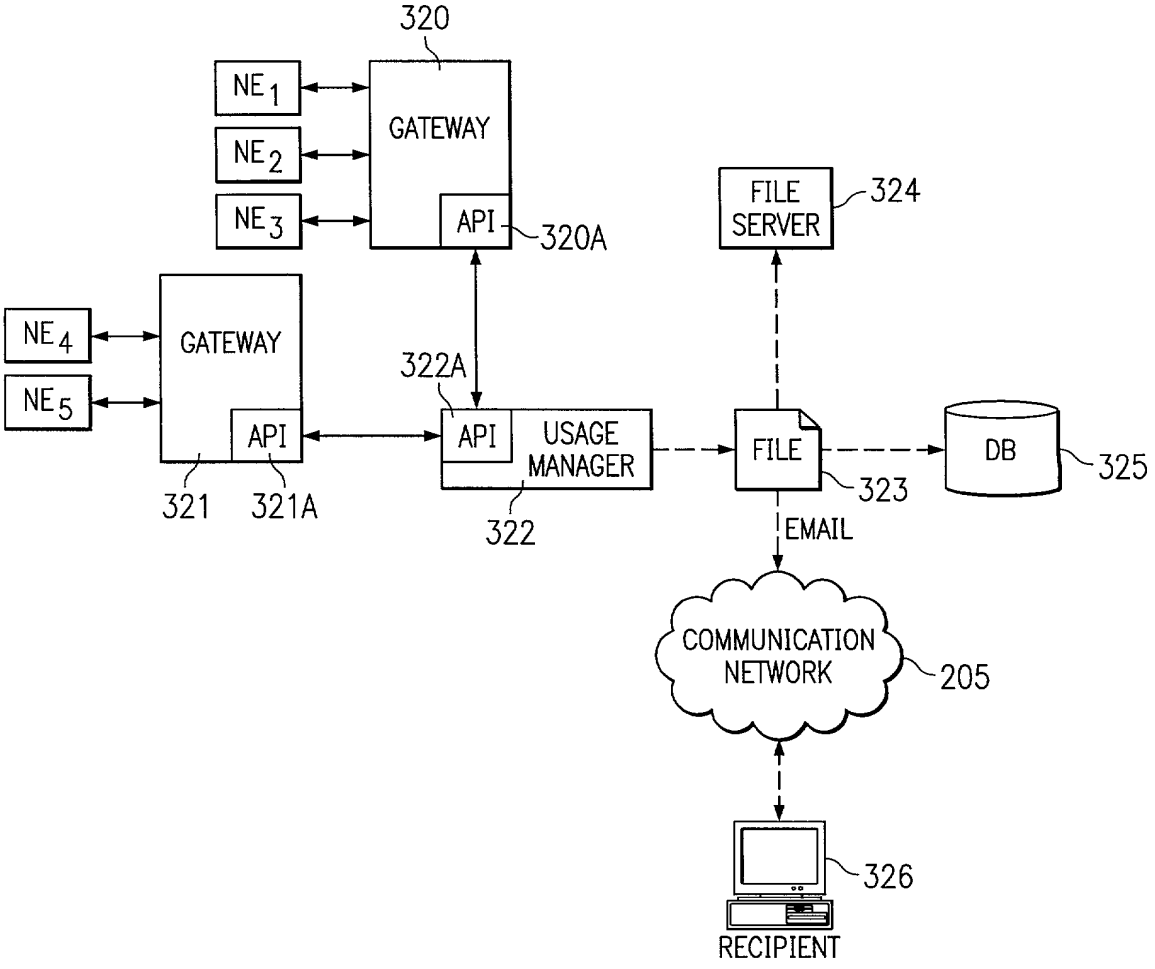

LOCATION 1
LOCATION 2
MS
GATEWAY
101
10
NE1
NE2
NE3
MS
GATEWAY
102
103
GATEWAY
20
NE4
NE5

FIG. 3B


320
NE1
NE2
NE3
GATEWAY
API
320A
FILE SERVER
324
NE4
NE5
GATEWAY
API
321
321A
322A
API
USAGE MANAGER
322
FILE
323
DB
325
EMAIL
COMMUNICATION NETWORK
205
326
RECIPIENT

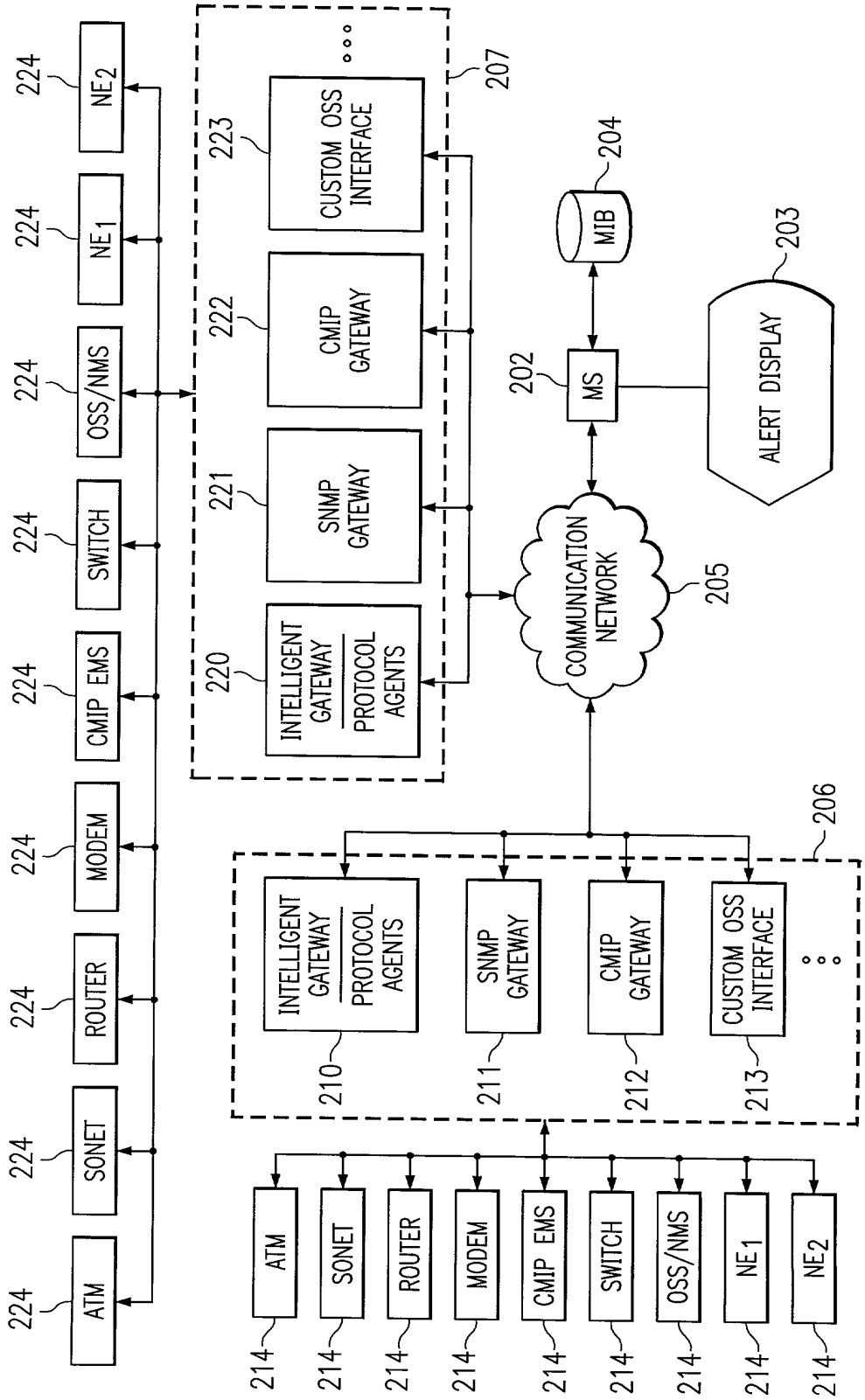

224
ATM
224
SONET
224
ROUTER
224
MODEM
224
CMIP EMS
224
SWITCH
224
OSS/NMS
224
NE1
224
NE2
207
220
INTELLIGENT GATEWAY / PROTOCOL AGENTS
221
SNMP GATEWAY
222
CMIP GATEWAY
223
CUSTOM OSS INTERFACE
205
COMMUNICATION NETWORK
202
MS
204
MIB
203
ALERT DISPLAY
206
210
INTELLIGENT GATEWAY / PROTOCOL AGENTS
211
SNMP GATEWAY
212
CMIP GATEWAY
213
CUSTOM OSS INTERFACE
214
ATM
214
SONET
214
ROUTER
214
MODEM
214
CMIP EMS
214
SWITCH
214
OSS/NMS
214
NE1
214
NE2

FIG. 2

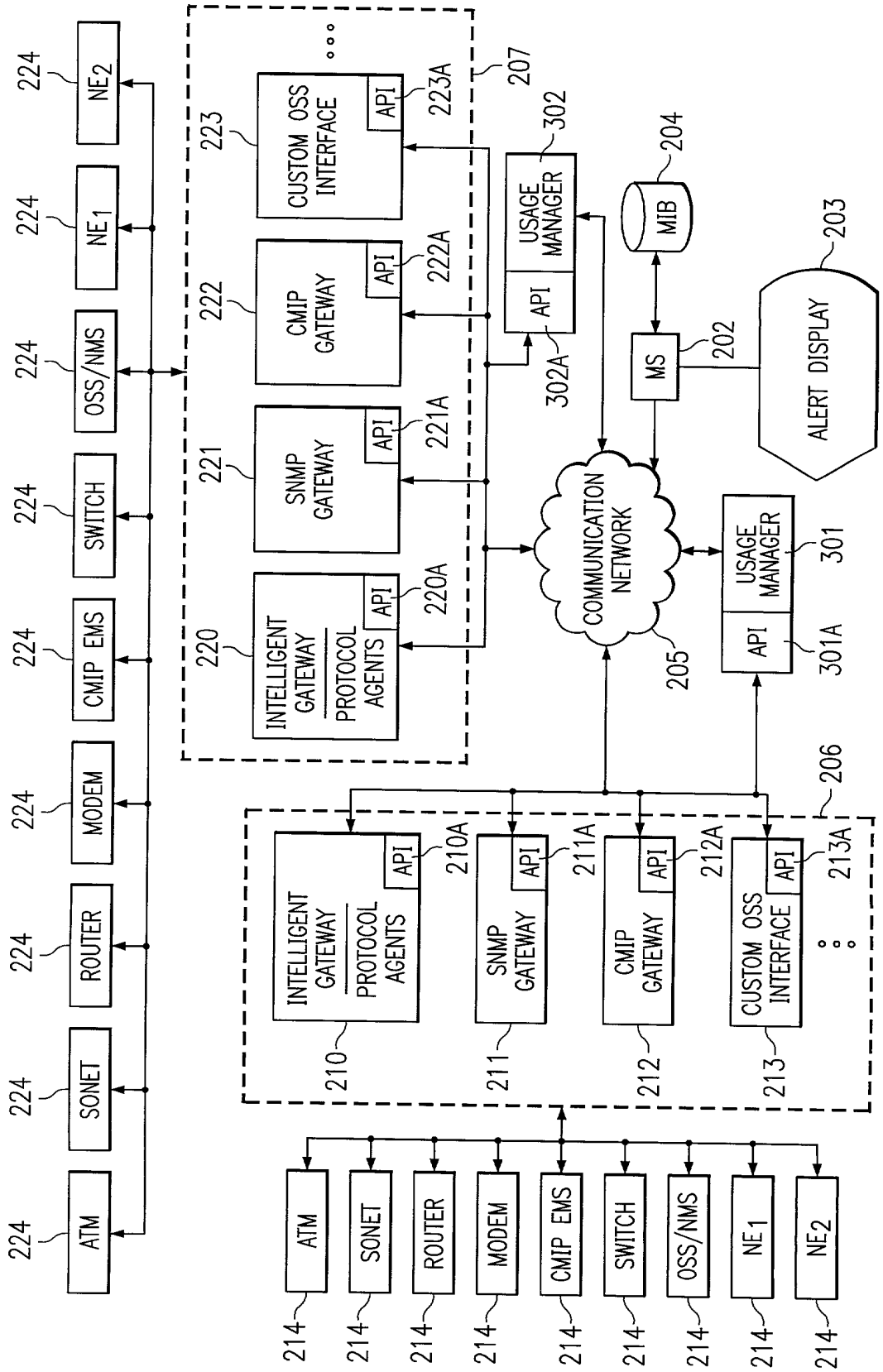

224
ATM
SONET
ROUTER
MODEM
CMIP EMS
SWITCH
OSS/NMS
NE1
NE2
214
220
INTELLIGENT GATEWAY / PROTOCOL AGENTS
API
220A
221
SNMP GATEWAY
221A
222
CMIP GATEWAY
222A
223
CUSTOM OSS INTERFACE
223A
207
210
210A
211
211A
212
212A
213
213A
206
COMMUNICATION NETWORK
205
USAGE MANAGER
301
301A
302
302A
MIB
204
MS
202
ALERT DISPLAY
203

FIG. 3A

FIG. 4A

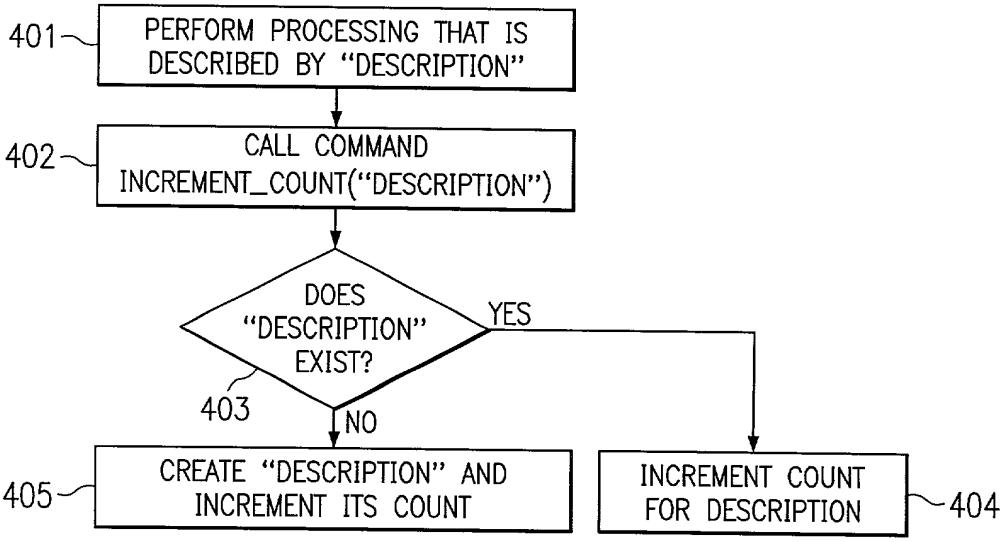
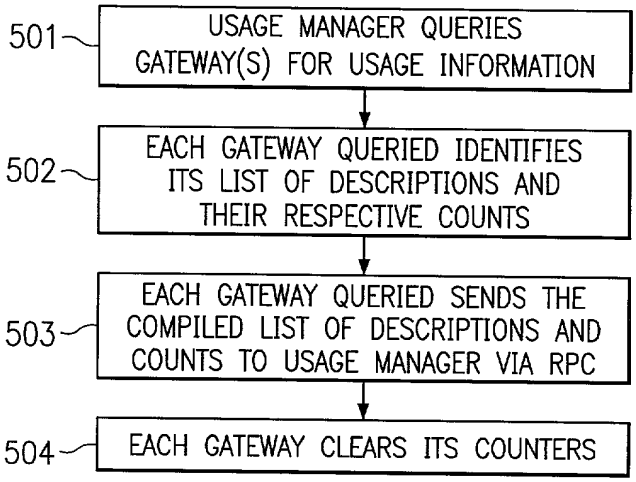


FIG. 4B

410

DESCRIPTION	COUNT
SNMP Get	5
SNMP Set	3
SNMP Trap	9

FIG. 5



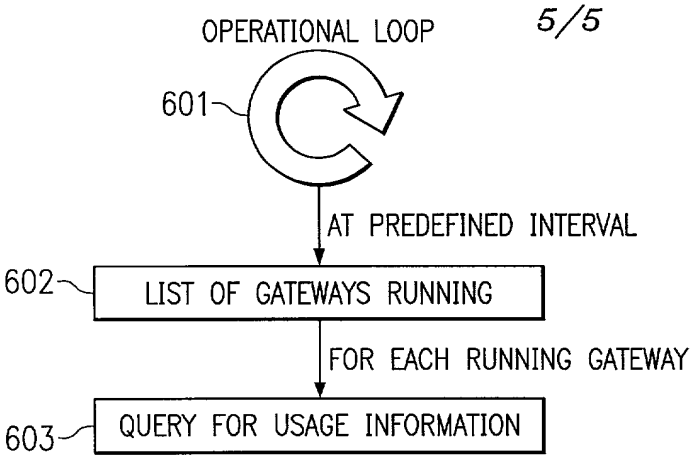


FIG. 6

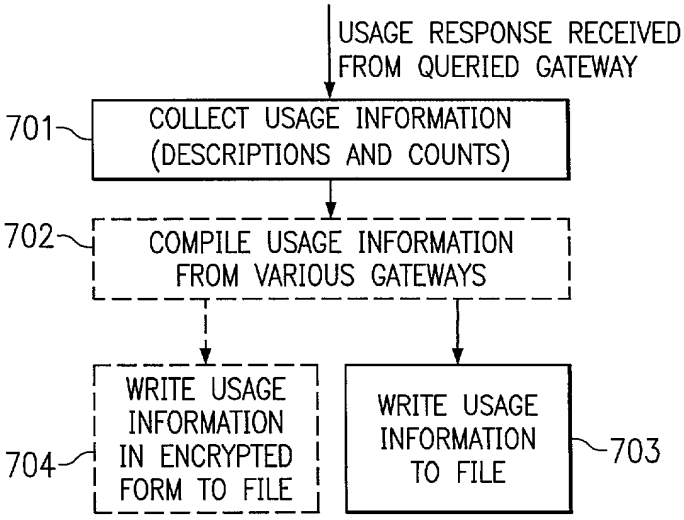


FIG. 7

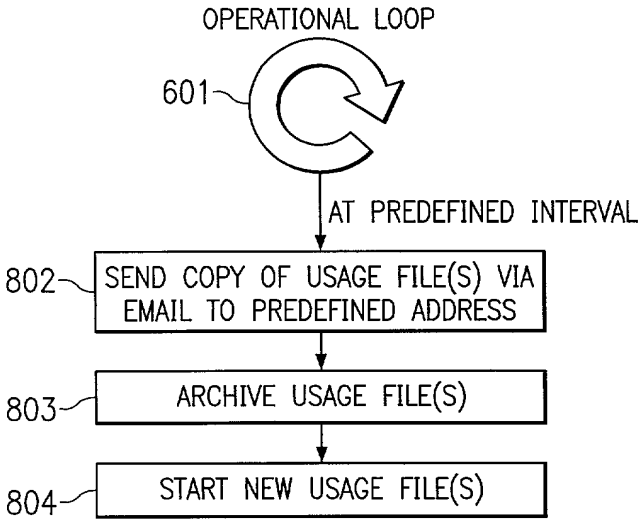


FIG. 8